

IN THE UNITED STATES ~~PATENT~~ AND TRADEMARK OFFICE

IFW

In re Applicant:

Dan GAZIT et al



Serial No.: 10/551,717

Filed: July 14, 2006

Group Art Unit: 1632

For: TAK1-MEDIATED INHIBITION OF
OSTEOGENESIS

Attorney
Docket: 30695

Examiner: Not yet Assigned

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a PTO Form 1449 which lists citations which may be material to the patentability and examination of the above identified application. Also enclosed are copies of the references cited. These are submitted in compliance with the duty of disclosure defined in 37 CFR 1.56. The Examiner is requested to make these citations of official record in this application.

This Information Disclosure Statement under 37 CFR 1.56 is not to be construed as a representation that a search has been made, that additional matter which is material to the examination of this application does not exist, or that any or more of these citations constitutes prior art.

Respectfully submitted,

Martin O. Moynihan

Martin D Moynihan
Registration No. 40,338

Dated: June 17, 2007



PTO/SB/08a (08-03)

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FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Documents	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)			
/BW/	10	JP 09-163990	06-24-1997	Irie	
/BW/	11	PCT WO 99/40202	08-12-1999	Sugita et al.	
/BW/	12	EP 1234880	08-28-2002	Matsumoto	
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⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS.



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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/551,717
Filing Date	July 14, 2006
First Named Inventor	GAZIT Dan et al
Group Art Unit	1632
Examiner Name	Not Yet Assigned

Sheet	2	Of	3	Attorney Docket Number	30695
OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
/BW/	13	Shibuya et al. "Role of TAK1 and TAB1 in BMP Signaling in Early Xenopus Development", The EMBO Journal, 17(4): 1019-1028, 1998.			
	14	Mochida et al. "ASK1 Inhibits Interleukin-1-Induced NF-κB Activity Through Disruption of TRAF6-TAK1 Interaction", The Journal of Biological Chemistry, 275(42): 32747-32752, 2000.			
	15	Yoshida et al. "Negative Regulation of BMP/Smad Signaling by Tob in Osteoblasts", Cell, 103: 1085-1097, 2000.			
	16	Carninci et al. "Normalization and Subtraction of Cap-Trapper-Selected cDNAs to Prepare Full-Length cDNA Libraries for Rapid Discovery of New Genes", Genome Research, 10: 1617-1630, 2000.			
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	21	Baulcombe "Diced Defence", Nature, 409: 295-296, 2001.			
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	23	Boshart et al. "Reporter Constructs With Low Background Activity Utilizing the Cat Gene", Gene, 110: 129-130, 1992.			
	24	Caflish et al. "Multiple Copy Simultaneous Search and Construction of Ligands in Binding Sites: Application to Inhibitors of HIV-1 Aspartic Proteinase", Journal of Medical Chemistry, 36: 2142-2167, 1993.			
	25	Eisen et al. "HOOK: A Program for Finding Novel Molecular Architectures That Satisfy the Chemical and Steric Requirements of A Macromolecule Binding Site", Proteins: Structure, Function, and Genetics, 19: 199-221, 1994.			
	26	Gehlhaar et al. "De Novo Design of Enzyme Inhibitors by Monte Carlo Ligand Generation", Journal of Medical Chemistry, 38: 466-472, 1995.			
	27	Glišin et al. "Ribonucleic Acid Isolated by Cesium Chloride Centrifugation", Biochemistry, 13(12): 2633-2637, 1974.			

Signature		Considered
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	28	Hoffmann et al. "The T-Box Transcription Factor Brachyury Mediates Cartilage Development in Mesenchymal Stem Cell Line C3H10T1/2", Journal of Cell Science, 115: 769-781, 2002.			
	29	Kaminski "Computer-Assisted Drug Design and Selection", Advanced Drug Delivery Reviews, 14: 331-337, 1994.			
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	31	Ronis et al. "Skeletal Effects of Developmental Lead Exposure in Rats", Toxicological Sciences, 62: 321-329, 2001.			
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	33	Moon et al. "Computer Design of Bioactive Molecules: A Method for Receptor-Based De Novo Ligand Design", Proteins: Structure, Function, and Genetics, 11: 314-328, 1991.			
	34	Puissant et al. "An Improvement of the Single-Step Method of RNA Isolation by Acid Guanidinium Thiocyanate-Phenol-Chloroform Extraction", BioTechniques, 8(2): 148-149, 1990.			
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↓	37	Yang et al. "Evidence That Processed Small dsRNAs May Mediate Sequence-Specific mRNA Degradation During RNAi in Drosophila Embryos", Current Biology, 10: 1191-1200, 2000.			

Signature	/Brian Whiteman/	Considered	03/03/2008
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